

Southborough, Mass.  
January 3, 1930.

Charles F. Choate, Esq.,  
Chairman, Board of Selectmen,  
Southborough,  
Massachusetts.

Dear Sir:

Your communication of December 19, 1929, wherein you tender your resignation as a member of the committee elected at the Special Town Meeting held December 16, 1929, and instructed to take certain action to effectuate the vote of the Town to establish a water system for the Town of Southborough and petition the Legislature for an enabling act, was duly laid before the committee at its meeting held January 2nd, and considered.

It is the sense of the committee that the Town, in electing you as an additional member of the Water Committee chosen at the Special Town Meeting of September 29, 1929, and continued in office by vote of the Special Meeting of December 16, 1929, did not choose you in your individual capacity, but rather in your official capacity as Chairman of the Board of Selectmen, to carry out the vote of the Town. The Committee is firmly of the opinion that it has no right to nullify the action of the Town which has imposed on you in your official capacity, a clear and unmistakable mandate. The Committee has, therefore, voted not to accept your resignation from the Water Committee, but it has placed it on file and will present it at the next town meeting for such action as the meeting may wish to take.

Respectfully yours,

(signed) GEORGE A. MOONEY

Chairman.

GAM/CCC

TOWN OF SOUTHBOROUGH

March 5, 1930.

Mr. George Mooney,  
Southville,  
Mass.

My dear Mr. Mooney:

Having been informed last Monday, by the people of Southborough, that my services in town affairs were no longer needed, I hereby present to you and the Water Committee my resignation as a member of this Committee, to take effect at once. I am sending this to you now in order that you may bring the matter before the town meeting next Monday evening that a successor to my place on the committee may be elected at that time.

Wishing you every success, I am,

Very truly yours,

(signed) CHAS. M. PROCTOR

CMP/EM.



Southville, Mass.  
March 7, 1930.

Dr. Chas. M. Proctor,  
Oak Hill,  
Fayville,  
Mass.

Dear Dr. Proctor:

Your letter of resignation from the Water Board has been received and brought to the attention of the Committee.

In accordance with their instructions, I am having a copy of that letter attached to the report of the Water Committee which will be submitted at the annual Town Meeting, so that those present may take whatever action they wish in the matter.

Respectfully yours,

(signed) GEORGE A. MOONEY

Chairman

GAM/M

Southboro Water Committee.

At the meeting of the Water Committee, held March 19th, it was decided that the following recommendations be made to the Selectmen, at their meeting to be held Friday, March 21st at 8 o'clock.

1. That the Special Town Meeting, for the purpose of acting on town water, be held on one of the following dates,--April 29th, April 30th or May 2nd--preferably on April 29th.

2. That the order of business, at the meeting, be as follows:-

Article 1. Election of Moderator.

Article 2. Report of Water Committee.

Article 3. Acceptance of Act - "Shall the Town furnish itself and its inhabitants with water"- etc.

Article 4. Appropriation of \$320,000. as provided in the Act.

Article 5. Election of three commissioners as provided in the Act.

Article 6. Authorization of commissioners to buy Fayville District.

3. That the acceptance of the Act (Article 3) will be by a "Yes" or "No" paper ballot, and-as the committee understands it-the question of the appropriation of money will not be on the same ballot as Article 3, but will be by a standing vote as provided by statute.

4. That the meeting be called at 6.00 P.M.-articles one (1) and two (2) acted upon-and that the polls be opened from 6.15 P.M. to 8.30 P.M. for the purpose of voting on Article 3.

The committee, in accord with a vote at the annual town meeting elected Chester C. Gray and Alfred W. Howes as additional members of the Water Committee.



Southville

April 30 - 1931

Mr C. O. Misner,

Board of Selectmen,

Last fall the men laying water pipe, dumped a quantity of stone abutting my land, many stones going over on to said land, I protested, Chairman of Water Commission said Mr Tombles wanted stone placed there, I asked they bring an order from Mr Tombles. Stating that was his wish, They did not bring any order, I asked that Mr Tombles come see me, he did not do so, I asked Chairman of Water Commission the stones that went on my land be removed no notice has been taken of my request, As tax payer of said land, I ask stones be removed, or if the town wants the land for street purposes satisfactory adjustment be made, The said land runs from property owned by Leon Perico

Southville Road to mill property,  
the upper lot from Harrington  
Road, to land owned by Felix Paul,  
This past winter, heavy wood removed  
from Southville Road lot, the stones  
had so filled in the road way  
it cost me much more to get wood  
off said lot,

Alicia M. Stocomb



MISS MARY E. DORR  
SOUTHVILLE, MASSACHUSETTS

Mar. 10, 1931

To the Selectmen,  
Southboro, Mass

Gentlemen;

It is quite evident  
that, when the water pipes were  
laid by our house, they stoped up  
the drain and our cellar is  
flooded. Will you please see that  
this condition is remedied right  
away?

Very truly yours,  
Mary E. Dorr.

40 Maine St.  
Ashland Mass.

To.

Mr. Howes: -

Dear Sir: -

A few months ago I wrote your water dept. concerning water for my house which I rent located at cor- of Ashland State & Manning Rds. in Jordanville. as the lack of water has become known to the neighbors it is hurting our renting the place I have lost rent and tenants because of this trouble.



2.

Your town officials  
are not very courteous  
as I have had occasion  
to write your welfare  
board, and water dept.  
inclosing stamps for  
reply but received none.  
As temporary pipes have  
been laid for others  
why not for us?

Sincerely  
Mrs J. W. Dunlap.

Southville, Mass.,

Oct. 6, 1930.,

Dear Sirs -

As they are now digging up Highland Rd. to put in the water system, will you please have them move the water drain in front of my house. Every time it rains I get all the water from the Church & school hills and it is like a river going through the yard. There isn't only one place where the water comes in but three.

Instead of having it come across the street they could extend it down to the woods and that would stop it from coming down through my yard.



Thanking you in advance  
for investigating it and moving  
it I remain,

Respectfully Yours,

Gelis Paul,  
Highland Rd.,  
Southville,  
Mass.

THE NEW YORK, NEW HAVEN AND HARTFORD RAILROAD COMPANY

R. L. GALLUP

CONTRACT AGENT

NEW HAVEN, CONN. - October 4, 1930

Town of Southbridge,

Southbridge, Mass.


Gentlemen:

Referring to license dated July 30, 1930 sent to you with my letter October 2 for location of water pipe across and under the land and tracks of the Railroad Company at White-Bagley Road, Southboro, Mass.

I now find that under date of July 30, 1930 the Town of Southboro by an order of taking, obtained an easement to lay water mains and pipe across the Railroad location at White-Bagley Road, for which an award of \$5.00 was made to the Railroad Company and as the above license covers pipe line located within the limits of the easement taken by the Town, it would seem to me it was executed through oversight and that there is no necessity for the license and it should be cancelled.

It may be, however, that for some reason the Town would prefer to retain the license. - May I hear from you further regarding this?

Yours very truly,



March 7, 1931

Harrison H. Schaff, Esq.  
Southville, Massachusetts

Dear Mr. Schaff:

At a meeting of the Board of Selectmen held last evening, it was voted, "to authorize the Water Commissioners to negotiate and consummate a deal with Harris-Forbes Company for the issuance of four and one half percent bonds to take the place of four and three fourths percent notes issued by the Fayville Fire and Water district in accordance with the proposition as outlined in a letter from Harris-Forbes Trust Company to H. H. Schaff, dated February 24, 1931."

At our meeting last evening, we discussed the above matter and voted unanimously in favor of the proposition and will do everything possible to cooperate with the Water Commissioners for the furtherance of the legal opinion and bond issue. Before doing anything further, we shall wait to hear from you.

Enclosed herewith is original of the letter above described of which letter we have made copy for our files.

Yours very truly,

Chairman



Boston

S. J. Thorup  
M

January 17, 1931

Mr. George A. Mooney  
Southborough, Massachusetts

Dear Mr. Mooney:

As you know, the Department of Highways comes under the jurisdiction of the Selectmen and it is their duty to determine the amount of money to be appropriated for its use aside from money received from the county and state.

We have asked Mr. Toombs for figures on this matter and he says if he does not have to put into condition the roads which were damaged as a result of laying water pipes, that he will require \$8000.00 for the work exclusive of chapter 90, and chapter 81 roads. If he is to do the other work of putting back into condition the roads which were dug up in order to lay water pipes, it will cost considerably more and we do not know at this time just what arrangement can be made to do this work.

We understand the water commissioners are withholding a sum of money from the contractor until he has done the work and it occurred to us that possibly the water commissioners would make some settlement with the contractor whereby he would be released and the town would do the work.

We have asked Mr. Toombs to make a survey of the roads where water has been installed and submit an itemized estimate of the cost of putting roads into condition. He says it will probably take him about a week to do this and in the meantime, if your board could make a similar itemized estimate, we could probably hold a joint meeting of the Selectmen and the water commissioners and come to a fairly definite idea as to what this



2-G. A. M.

1/17/1931.

work would cost, we could then determine whether or not the money to do it should be appropriated for the highways or from funds of the water board, which would be available if a settlement were made with the contractor.

If you could have this estimate made and arrange later to meet with us so that the warrant would be prepared by February 1, 1931, we should greatly appreciate it.

Yours very truly,

Chairman, Board of Selectmen  
Town of Southborough, Mass.



August 30, 1932.

Mrs. A. W. Dunlap  
440 Main Street  
Ashland, Mass.

Dear Madam:

In regard to your undated letter received last week, I wish to advise that it is absolutely impossible for the Board of Selectmen to be of any assistance to you in having water installed in your house at the corner of Southville Road and Manning Street.

The question of water installation is entirely in the hands of the Water Commissioners and any communication relating to the same should be addressed to either P. J. Brock, Fayville, Mass., Dr. C. M. Proctor, Fayville, Mass., or E. Warren Ward, Southborough, Mass.

Very truly yours,

Chairman.

AWH:K



**TOWN OF SOUTHBOROUGH**  
**BOARD OF WATER COMMISSIONERS**

SOUTHBOROUGH, MASS.

January 10, 1933.

To the Honorable Board of Selectmen:

Gentlemen,

We herewith present the third annual report of the Board of Water Commissioners, for the year 1932.

All work has been carried on under the supervision of Thomas J. Boland, Superintendent.

New Construction

New construction during the past year has been limited to the installation of service connections of which thirteen have been laid, and to the grading of the grounds and the construction of a concrete walk at the pumping station.

The citizens of the town are urged to visit the pumping station, which is equipped with pumping machinery of which they can well be proud.

Maintenance and Operation

The work of maintenance and operation consists principally in the operation of the pumping station, inspection of hydrants, flushing of dead ends, and the quarterly reading of meters.

The pumping station is operated every day, the water being pumped by either of two electrically driven centrifugal pumps, and the stand-by unit - consisting of a gasoline engine driven triplex pump - is operated for a short time each week to assure its being in readiness in case of failure of electric power.

A statement of the amount of the appropriation and expenditures for 1932 follows:

<u>Appropriation</u>		\$5,000.00
<u>Expenditures</u>		
Administration		
Salary of Superintendent	\$1,800.00	
Billing	100.34	
Printing, postage etc.	104.36	
Insurance and car regist.	157.35	2,162.05
Pumping Station		
Electric power	1,330.40	
Fuel	170.52	
Telephone	69.30	
Gas, Oil, Chlorine etc.	78.69	
Labor	102.49	
Materials	57.67	1,809.07
Pipe lines and hydrants		
Labor	110.00	
Materials	143.93	253.93
Services and meters		
Materials	103.16	
Labor (private property)	113.50	
Labor (town property)	182.91	
Meter maintenance	7.16	406.73
Repairs and misc. supplies		94.73
Truck maintenance		196.95
Total expenditures		<u>\$4,923.46</u>
Unexpended balance		76.54

The revenue from water rates for the four quarters ending January 1, 1933 amounts to approximately \$7,800. or a surplus of about \$2,800. above the appropriation for 1932. This surplus goes toward the retirement of serial bonds and reduces the amount to be raised by general taxation.

Charges for water rates and service connections overdue.

Water rates overdue more than one quarter amount to \$720. and overdue service charges where the water is turned



on amount to \$560. for 35 connections. An effort is being made to have these amounts paid - failing which the supply will be turned off. In addition there are 29 unpaid service connections which are not turned on. These will have to be paid before the water will be turned on.

### General

On May 10th or 11th the water department shop was broken into and tools valued at \$44.39 were stolen. The tools were replaced by the insurance company.

### Statistics

#### Pumpage

<u>Month</u>	<u>Total gallons pumped</u>	<u>Average gallons per day.</u>
January	1,764,000	56,903
February	1,915,000	66,034
March	1,685,000	54,354
April	1,500,000	50,000
May	2,032,000	65,548
June	2,355,000	75,967
July	1,523,000	52,517
August	1,487,000	47,967
September	1,819,000	60,633
October	2,069,000	71,344
November	1,787,000	61,620
December	1,745,000	58,166
<b>Total</b>	<b>21,681,000</b>	<b>60,087</b>

Number of services laid 1932	- - -	13.
Total number Dec. 31, 1932	- - -	302.
Total number in use	- - -	243.
Number of services metered	- - -	238.
Length of services laid 1932	- - -	1163. ft.
Total length of services Dec. 31, 1932	- - -	19840. "
Extension of mains	- - -	165. " (2")
Total length of mains 12/31/32	- - -	87940. "
Length of mains less than 4"	- - -	2363. "

Respectfully submitted,

Board of Water Commissioners

*Ratich J. Brock* Chairman.  
*Chas M. Proctor*  
*E. Warren Ward, Secy.*



THE COMMONWEALTH OF MASSACHUSETTS

SENATE CHAMBER - BOSTON

9 October 1941

Hon. Board of Selectmen  
Southborough  
Massachusetts

Gentlemen:

I am glad to inform you that the Governor this day has signed the bill which has to do with the town of Southborough receiving its water from the pressure aqueduct of the Metropolitan District Commission.

It has been a pleasure to work with you in this very important matter.

Trusting that I can be of further service to you and hoping that you will feel free to call upon me, I am,

Very truly yours,

*P. Eugene Casey*  
SEN. P. EUGENE CASEY

*misfold*

PEC:MFG

*Letter*  
*Carl S. Crockett*

*Rep. Upton*

RECEIVED  
OCT 11 1941

Legal



TOWN OF SOUTHBOROUGH

OFFICE OF TOWN COUNSEL

SOUTHBOROUGH, MASS.

April 16, 1941

ELEONORA FANTONY BURKE

Mr. Alton B. Spurr, Chairman  
Board of Selectmen  
Town of Southborough, Mass.

Re: Vote-Article 27  
Annual Town Meeting, March, 1941

Dear Mr. Spurr:

You requested my opinion as to the validity of the following vote under the above article:

It was voted that the sum of \$5400. be raised and appropriated for the purpose of extending the water main on School Street from ..... and that the Water Commissioners be instructed to so extend said main and to fix the rates for the use of water and water service on the same basis as the rates established when the water system was installed in 1930 and 1931.

The question specifically was whether the regulation by the water commissioners whereby takers on water extensions are required to execute a written guarantee to use a yearly amount of water equal to 5% of the cost of the extension for a period of twenty years is applicable. This question arises in view of the instructions to the Water Commissioners contained in the above vote.

The Board of Water Commissioners have the authority to make rules and regulations which are binding until such time as by vote of the Town these rules are changed. However, in order to alter or amend rules or regulations of said Commissioners an article in the warrant must specifically mention this fact. The voters of the town are entitled to have notice through the warrant which must be published. This is the purpose of the warrant and the publication thereof.

Therefore, that portion of the vote which appropriates the sum of \$5400. for the purpose of extending the water main is valid, but that portion instructing the Commissioners as to rates is invalid for want of proper notice to the voters. It is not within the scope of the article.

Thus, takers in case of this extension shall be bound by the rules adopted by the Commissioners.

Yours truly,

*Eleonora F. Burke*



TOWN ACCOUNTANT  
SOUTHBOROUGH, MASS.

File  
Water Dept.

To the Selectmen,  
Southborough  
Massachusetts.

In regard to: Water Service Installations.  
Paid from Water Construction Loan.

All water service installations up to close of this year, have been, I believe, paid from the loan for water construction and later committed to collector for collection on a service installation invoice sent each customer. The amount of these from which have been deducted abatements and refunds, totals \$5,203.90.

In accordance with the recommendations in Mr. Fentons report this year, an article should go into the town warrant to return to the water loan construction account, this amount as reimbursement, as these service charges when and as received will then go into the water department available surplus, from which the assessors each year will take a certain part as an off-set to the amount appropriated in the maintainance and operation of the town water system.

Accordingly I believe the article should be something as follows:

ARTICLE. To see if the town will appropriate the sum of \$5,203.90 to the Water Construction Account as reimbursement for amounts charged to that account for the installation of service to water takers on property beyond town highway lines, or do or act thereon.

As that part of the above charge all ready collected and to be collected will become part of the regular town surplus of cash or revenue due from water depat., I would recommend that the amount be taken from surplus, cash in hands of town treasurer.

Yours very truly,



Referred Selectmen

FEB 19 1941



THIS SIDE OF CARD IS FOR ADDRESS

Board of Selectmen

Southborough

Mass.

BUY U.S. SAVINGS  
BONDS  
ASK YOUR POSTMASTER



State House, Boston,

The Committee on Water Supply will give a hearing on  
~~Sen~~ (House) No. 2047 petition of  
the Board of Selectmen of the Town of Southborough  
relative to the taking by said town of water for  
water supply purposes from the pressure aqueduct  
and tunnel of the metropolitan water system

at Room No. 431  
at 10.30 a.m.

State House, on March 4, 1941

C C Colby

n

Clerk.

Form 1.



*Seal*

TOWN OF SOUTHBOROUGH

BOARD OF SELECTMEN

February 19, 1941

To: Board of Selectmen.

From: Clerk of Board.

Subject: Notification of hearing.

I am in receipt of the following notification,  
this date:

"State House, Boston,

The Committee on Water Supply will give a hearing  
on (House) No. 3047 petition of the Board of Selectmen  
of the Town of Southborough relative to the taking by  
said town of water for water supply purposes from the  
pressure aqueduct and tunnel of the metropolitan water  
system, at Room No. 431 State House, on March 4, 1941  
at 10:30 a. m.

G. C. Colby, Clerk."

Yours truly,

*Hamilton Armstrong*  
Clerk.



To the Honorable, the Board of Selectmen of the Town of Southborough:--

The undersigned citizens of Southborough respectfully petition your honorable board to call a special Town Meeting and to insert in the warrant therefor an article to see whether or not the Town shall install a system of water supply for the inhabitants of Southborough.

Southborough is one of the few towns in the Commonwealth which has not a system of water supply and we feel that with the present shortage of water in some of the wells in the Town that this is an appropriate time to take up this matter.

We are attaching hereto a copy of an editorial on the subject which appeared in the Boston Post of August 20, 1929.

LOOK OUT FOR THE WATER.

"That is very good advice which Dr. Clarence H. Scammon, deputy commissioner of the Massachusetts Department of Health, gives gratis to all touring automobilists. It is to beware of the "babbling brook" as a temporary water supply.

'Ninety-six per cent of the water in this State used for drinking purposes is available through public water supplies,' he says. 'With this in mind, it seems there is no reason why any person should take a chance and drink from some countryside brook unless the drinker is absolutely sure the water is not polluted.'

A brook may look clear and sparkling, yet contain the germs of typhoid or some other disease. Shun it. If cities are far apart, take along enough water in bottles to do for the journey. Better be safe than sorry." - Editorial, Boston Post, August 20, 1929.

George Amooney Francis R. Doherty  
John J. Doherty Mary M. Mooney  
Christina M. MacDonald George F. MacDonald  
Russell L. MacDonald Harry S. Benson.



Alice M Benson	Margaret O'Donnell
Mrs R. A. Clark	Josephine O'Donnell
J. M. Bingham	Charles F. McNeil
H. S. Tupper	Mary L. McNeil
Bessie E. Tupper	Ralph H. Clark
Mary E. Dorr	Fremmie L. Clark
Carrie E. Dorr	Daniel F. Harrington
Luna J. Everett	Anna T. Harrington
Gertrude Everett	Esther M. Harrington
<del>Hazel S. Shaw</del>	Wallace N. Nelson
W. M. Derby	Joana B. Nelson
Florida P. Derby	Alfred R. Anders
Lulu J. Russell	William E. Varnum
Geo. H. Woodard	Philomena E. Varnum
Mrs. W. L. Moore	Louis E. Warner
Geo. G. H. Woodard	Mrs. L. E. Warner
Mrs. J. W. Bingham	Patrick H. O'Brien
W. F. Boutilier	Harold F. Fuller
John J. Farrar	William C. Brien
Lea F. Lerle	George H. Buell
William A. Andrews	Herbert P. Faber
Joseph D. Blake	Charles H. Holmes
Mary E. Burke	Hazel R. Holmes
Frank Burke	Mrs. Henry M. Rogers
W. J. Collins	Maudie St. James
H. S. Hunt	Leucilla D. Chickering
Ida M. Hunt	Minnie P. Stockwell
Edward E. Chase	Kenneth E. Meagher
Clara G. Chase	Ania Hyde
Francis J. Merrill	Mary A. Underwood
John J. Vezenia	Jessie L. Beaton
Mrs. J. Vezenia	Mary A. Hodge
	Joseph D. Brock



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George Moorey Francis B. Doherty  
John J. Doherty Mary M. Moorey  
Alice M. Wilbur Bertrude Gledhill  
Nellie Higgins Catherine Gledhill



Clara Tude	Arthur J. Manning
Mrs Clara O'Neil	Arthur J. Kiley
Chris Jones	Mrs John Welch
Susie E. Jorrell	John E. Welch
Frances G. Thurber	Margaret H. Welch
Harry C. Thurber	Frank D. Zimbrick
Vada H. Doulan	Annette Quinn
James S. Doulan	W <sup>m</sup> A. Quinn
George Henderson	Mr & Mrs James H. Cox
Addie B. Henderson	Gertrude M. Stuart
George A. Henderson	Edward L. Ramsdell
Chester M. Bean	Violet M. Ramsdell
Ruth M. Bean	Rev. Francis Maxwell
Ruth M. McKie	Vincent Dunn
William S. McKie	
Addie P. Ladd	
Harry L. Ladd	
Matilda Hill	
Lored Hill	
Albert Fitzpatrick	
Julia Fitzpatrick	
Thos P. Featherstone	
W. A. Wilbur	
Thomas H. Fitzgerald	
Peter T. Kelly	
Charles H. Bullens	
Hathaniel E. Fitzgerald	
Mary S. Fitzgerald	
Rose M. Kasparian	
John H. Kasparian	
Carl P. Nyckstrom	
Elsie Merriam	



File  
Water Dept.

COPY

April 28, 1941

Water Department  
Southborough, Mass.

Gentlemen:

Regarding the opinion of the Town Counsel on Article 27 of the last Town Meeting, a copy of which has been forwarded you; The Board of Selectmen think that in any advice you might seek from State Officials, you should bear in mind that while the opinion of the Town Counsel is clearly stated, the wish of the Town is plainly indicated by their vote at the Town Meeting.

The intention of relieving the water-takers of the payment under your twenty-year plan was a good part of the reason for the acceptance of the Article.

Yours truly,

BOARD OF SELECTMEN

By *Hamilton Armstrong*

Clerk.

ABS:HA



*File  
Water Dept.*

COPY

May 13, 1941

Mr. Aubrey C. Allen  
Chairman, Water Board  
Southborough, Mass.

Dear Sir:

With reference to the repair of streets damaged in the process of installing water services; it is the desire of the Board of Selectmen that you, or a representative of your Board, and your Department Superintendent, be present at their next meeting, Friday, May 16, 1941.

Yours truly,

*Hamilton Armstrong*

Clerk, Board of Selectmen.

BS:HA

TOWN OF SOUTHBOROUGH

Selectmen's Office

Southborough, Mass.  
December 19, 1929.

Mr. George A. Mooney,  
Southville,  
Mass.

Dear Sir:

So that there may be no misunderstanding of my position in respect to serving upon the committee named at the Town Meeting on Monday, December 16th, I wish to state to you that I adhere to my decision as announced at that meeting that I withdraw my name as a member of the committee and shall not serve. I do this because I believe the plan for the Town water supply to which the committee is committed is fundamentally unsound and inequitable. I believe that the promotion of such a plan will delay the installation of water in those districts which need it, for at least a year, if not prevent it altogether. For these reasons I wish to be free to oppose any bill introduced in the Legislature which will permit such an unjust, inequitable arrangement.

If I find at any time that my duties as Chairman of the Board of Selectmen are inconsistent with my not serving on this committee, I shall take such steps as seem necessary under the circumstances.

Very truly yours,

(signed) CHARLES F. CHOATE

Chairman

CFC/j

Southborough, September 7, 1929.

Charles W. Proctor, Chairman,  
Committee on Water Supply,  
Fayville Fire and Water District,  
Fayville, Mass.,

Dear Doctor Proctor:

At a meeting of the Board of Selectmen of Southborough held on September 6th it was voted that a permit be granted to the Fayville Fire and Water District to open trenches, lay mains and service pipes in the following streets in accordance with legislative act, Chapter 474, of the Acts of 1923:

Oak Hill Road  
Central Street  
Turnpike Road  
Maple Street  
Cherry Street  
Pleasant Street  
Summer Street  
Winter Street  
Learned Street  
Woodland Road.

Yours very truly,

Clerk, Board of Selectmen.



September 6, 1929.

Board of Selectmen  
Southborough  
Massachusetts

Gentlemen:

The Fayville Fire and Water district of the Town of Southborough, hereby respectfully applies for a permit to open trenches, lay mains and service pipe in the following streets in accordance with legislative act, chapter 474 of the acts of 1923:

Oak Hill Road  
Central Street  
Turnpike Road  
Maple Street  
Cherry Street  
Pleasant Street  
Summer Street  
Winter Street  
Learned Street  
Woodland Road

Very respectfully yours,

COMMITTEE ON WATER SUPPLY  
FAYVILLE FIRE AND WATER DISTRICT

A handwritten signature in cursive script, reading "Charles M. Proctor", is written over a horizontal line.

Chairman.

HAS:McW

REPORT OF WATER COMMITTEE

- APRIL 1930 -

To the Inhabitants of the Town of Southborough:

We have the privilege to report that this Committee, in accordance with the instructions of the Town Meeting of December 16, 1929, had a bill immediately drawn for a town water supply by the Counsel of the Committee, and subsequently presented it to Representative Blaine L. Libbey of Milford, who filed it in the House of Representatives, and thereafter a hearing was arranged for before the Committee on Water Supply.

This Committee obeyed the instructions which were received by them at the Town Meeting of December 16<sup>th</sup>, in so far as they were allowed to do so -- that is to say a bill for town water was drawn, but because of circumstances beyond our control, we were forced to accept a composite bill, the first part covering all points relative to a Town Water Supply, and the second part covering points relative to a District Water Supply. The reason for the acceptance of the bill in this form was to prevent unnecessary delay. The Counsel of the Committee was plainly told that unless we accepted the composite bill, we would be obliged to wait until the Legislative period of January 1931 for any consideration of the bill and it would then be possible to have it continually postponed from year to year. This condition could be created by a recommendation of the Legislative Committee on Water Supply.

The Committee are of the opinion that it is absolutely unnecessary to make a voluminous report because of the fact that the engineer's report for the Special Town Meeting of December 16, 1929, covered the entire situation in minute detail. Subsequent to the publication of the engineer's report, the Fay School, St. Mark's School and the



Deerfoot Dairy Company have signified the intention of using water from the town water supply, provided that the water could be obtained at a price not exceeding the amount that is paid at the present time for the water used at these institutions. Therefore it seems an utter impossibility for this Committee, the engineer, or any other person who is familiar with the facts of the situation, to determine the exact amount of the tax rate including the Fay School, St. Mark's School and the Deerfoot Dairy Company. This is a question which will have to be determined at some subsequent time by the officials of these institutions and the members of the Water Commission.

The method of procedure in regard to the loan which will be necessary to finance the project, has been carefully described in the engineer's report of the Town Meeting of December 16, 1929. This substantially means that the payment of this money will be distributed over a period of thirty years and that the highest possible tax rate will be in the fourth year, and it will continually decrease over the remaining period of time.

If the Town should establish an adequate water supply for fire protection, there would be a saving in fire insurance rates and also it would eliminate the expense of maintaining electrically driven equipment which provides water supply to the various people of the Town. The use of the Fayville Fire and Water District equipment would be another method by which the expenditure of money could be materially curtailed, and therefore another reason for lowering the tax rate. This, however, is a matter to be decided on advice of the engineer.

If a Town system is installed, the water takers of the Town would be served from one source of supply. It also would be under one management and one set of rates and regulations. In the opinion of the

engineers, a Town system is preferable because of its uniformity. Water districts have a tendency to split the Town into sections. If a Town system is installed, extensions could be made from time to time to any place within the geographical borders of the Town. If a water district is created, extensions could not be made beyond the boundary lines drawn in the water district act, without securing additional permission from the Legislature. If two or more water districts are created in the Town, the cost of superintendence and administration would be doubled, and might tend toward inefficiency which would create a feeling which would, at some subsequent time, cause a condition whereby persons in the water districts would be advocating that the Town buy both systems and establish them into one Town system. This would cause continuous wrangling and disagreements.

Therefore sound business policy should be adopted in the beginning, by establishing an efficient water department which would be responsible to the people of the Town. It is therefore the opinion of the Committee that the acceptance of the act and the establishing of a permanent public water supply for all the people of the Town is the proper procedure to be adopted.

Respectfully submitted,

*Patrick J. Brock*....  
*George A. Bennett*....  
*John J. Flannery*....  
*Chester C. Gray*....  
*Alfred W. Brown*....  
*E. Warren Ward*....  
*George A. Mooney*....

Chairman

February 21, 1930.

TO THE INHABITANTS OF THE TOWN OF SOUTHBOROUGH:

We have the privilege to report that a bill for a permanent public water supply for the Town of Southborough was presented by the Counsel for the Water Committee, elected at a special Town Meeting on December 16, 1929. The bill was presented to Representative Blaine L. Libbey of Milford, and filed at the State House on January 11, 1929. A hearing was held on Tuesday, January 28, before the Committee on Water Supply, at the State House, Boston, Massachusetts.

The bill is now in the process of enactment, therefore we recommend that this report be accepted as a report of progress.

Attached hereto is a copy of the letter of resignation of the Chairman of the Board of Selectmen, Charles F. Choate, together with a copy of the Committee's response to that letter.

John J. Flannery  
E. Warren Ward  
Patrick J. Brock  
George H. Bennett  
Charles Proctor  
George A. Mooney  
Chairman



Southborough, Mass; May 23, 1930

To the Selectmen of the  
Town of Southborough:

Gentlemen:

We, the undersigned citizens and residents of the town of Southborough, protest against the holding of the meeting set for Tuesday evening, May 27th, next, for the purpose of considering an appropriation of \$320,000.00, and the purchase of the property and franchise of the Fayville Fire and Water District, and for cause of protest state:

1st. Any action taken therein will be improper, unethical and Illegal.

2nd. Because the seating and standing capacity of said hall will accommodate only five hundred and fifty people.

3rd Because more than half the registered voters of the town will be deprived of their vote on this important measure.

4th Because the unbiased vote of the town can be obtained only by use of the Australian ballot system on a "Yes" and "No" question; preferably by precincts.

*Edward C. Kinsell*

*Frank L. Hyde.*

*Samuel Clark*

*Howard Leone*

*Jesse F. Bole*

*John A. Flanders*

*John A. Flanders*

*B. F. Knudsen*

*Carleton Anglin*

*Howard A. Knick*

*Charles H. Holmes*

*William H. Byers*

*John L. Lipp*

September 6, 1930.

Mr. George Mooney, Chairman,  
Water Commissioners,  
Southborough, Mass.

Dear Mr. Mooney:

The Board of Selectmen has been informed  
that the street light at the corner of Main and School  
Streets has not been functioning for some time, due to  
destruction of the pole as a result of blasting oper-  
ations in the installation of water pipes.

As this is a bad place to be left in darkness,  
the selectmen and the townspeople would greatly apprec-  
iate anything you or the commissioners can do to restore  
the light.

Very truly yours,

Chairman

REPORT OF THE  
COMMITTEE ON WATER SUPPLY  
of the  
TOWN OF SOUTHBOROUGH

---

November, 1929.

TO THE INHABITANTS OF THE TOWN OF SOUTHBOROUGH:

We have the honor to report of an investigation which we have made relative to a public water supply for the Southborough Township.

In the opinion of the Committee, we have engaged one of the best qualified water engineers in this section of the country, to conduct the survey, namely, the firm of Metcalf & Eddy, with business offices located in the Statler Building, Park Square, Boston. The report of the engineer's survey appears hereinafter.

1. Because the engineer entertained the idea of sinking wells for a water supply, various waters were examined. As a result of this analysis, the engineer reported that the bacterial examinations of the waters in the Cordaville and Southville wells showed that the water was unsatisfactory for drinking purposes, on account of the presence of bacteria of a human origin. Therefore notice of this analysis was forwarded to the Chairman of the Board of Selectmen, and also to the Chairman of the Board of Health, and the people in the said districts were in turn notified by the Town officials.

2. The existing condition of the water supply in the School Departments induced the School Committee to take precautionary measures and supply the school children with spring water for drinking purposes. It also made necessary the hauling of water for sanitary purposes.

3. Under date of September 20, 1929, the Metropolitan Commission forwarded a letter of information relative to the installation of a sewerage system. That letter, in part, is as follows:

"The rules and regulations of the State Board of Health for sanitary protection of waters used for water supply, under authority of Chapter 488 of the Acts of 1895, provide that no human excrement or house slops or sink waste should be discharged into said waters. Whether or not this rule would be violated by the use of cesspools after the water supply is installed, depends upon the location of the premises with reference to the water courses and also in



large degree upon the character of the soil. If such violation occurs, the parties can be prosecuted, but I know of no law under which the Commission could compel the Town to install a sewerage system."

4. The Committee, through the Chairman, interviewed the Marlborough Water Board, to determine as to whether or not it would be possible to contract with said city for a water supply for the Town of Southborough. This interview proved conclusively that it would not be practical from a business standpoint, because the control of the water supply would be vested in the Marlborough Water Commission. Therefore the Committee were of the opinion that it would not be advantageous to the Town of Southborough and considered the investigation completed, with the recommendation that no further action be taken in behalf of the Town.

5. In view of the fact that the Town is considering putting in a water supply, it was deemed advisable by the Committee to ascertain whether or not it would be possible to have gas installed in the trenches which would be dug for the water mains, at the same period of time. The Marlborough Gas Company was interviewed by the Chairman of the Committee, who was informed by the Company officials that they would be pleased to install gas mains in the water trenches at the same time that the water mains were being installed, provided that a sufficient number of consumers would agree to install gas, in order to provide enough revenue to make the expenditure of this capital profitable for the Gas Company.

6.a. The question of a Town Water System, excluding Fayville, is incorporated in the engineer's report on Page 19.

b. The question also of a Water District, excluding Fayville, is incorporated in the engineer's report on Page 20.

c. The question of a Town water supply, including Fayville, was discussed at the various meetings of the Committee. The Committee

and engineer are of the opinion that this would be the most efficient system to have installed. This could be done simply by connecting the pipe lines to the Fayville District, thereby making it one Town system, and by assuming the financial obligations of the contractual responsibilities of the Fayville Fire and Water District.

Mr. Theodore N. Waddell, Director of Accounts, the recognized authority on town government and procedure, was interviewed at his office, at the State House. He expressed himself as being of the opinion that the most efficient and most economical method of procedure is a permanent water supply for all the people of the Town.

7. Although Southborough is practically surrounded by water, and although we have the storage basin for the water supply of the Metropolitan District Commission for the city of Boston, the Town itself is not provided with a permanent water system. It is the only town between Boston and Worcester which has not a public water supply for drinking purposes and for fire protection. On the North, South, East and West of the Town, we have Marlborough, Northborough, Westborough, Hopkinton, Ashland, and Framingham, each and every one of which has a public water supply.

8. An editorial, which appeared in the Boston Post, on August 20, 1929, is incorporated in this report for the purpose of bringing to your attention the necessity of installing a permanent public water supply.

#### "LOOK OUT FOR THE WATER"

"That is very good advice which Dr. Clarence H. Scammon, the Deputy Commissioner of the Massachusetts Department of Health, has given gratis to all touring automobilists. It is to beware of the 'babbling brook' as a temporary water supply. 'Ninety-six percent of the water in the State used for drinking purposes, is available through public water supplies,' he says. With this in mind, it seems there is no reason why any person should take a chance and drink from some countryside brook, unless the drinker is absolutely sure that the water is not polluted. The brook may be clear and

sparkling and yet contain the germs of typhoid or some other disease. Shun it. If the cities are far apart, take along enough water in bottles to do for the journey. Better to be safe than sorry."

9. The following is a list of towns in Massachusetts having a population between 1700 and 3000, in 1925, that have public water supplies:

<u>Town</u>	<u>1925 Population</u>	<u>Owned by</u>
Deerfield	2968	South Deerfield Water Supply Dist. Deerfield Fire Dist.
Cohasset	2913	Cohasset Water Company
Weston	2906	Town
Lenox	2895	Lenox Water Company
Hadley	2888	Hadley Water Supply Dist.
Belchertown	2877	Belchertown Water Dist.
Wilbraham	2833	From Springfield
Holliston	2812	Holliston Water Company
Pepperell	2779	Town
Norton	2769	Norton Water Company
Scituate	2713	Scituate Water Company
Hatfield	2702	Town
Lancaster	2678	Town (Clinton water supply)
Hull	2652	Hingham Water Company
Hopkinton	2580	Town
Kingston	2524	Town
Ashland	2521	Town
Manchester	2499	Town
Groveland	2485	Town (Haverhill water supply)
Groton	2428	West Groton Water Supply Dist.
Acton	2387	West & South Water Supply Dist.
Shirley	2394	Shirley Village Water Dist.
Douglas	2363	Town
Avon	2360	Town
Merrimac	2349	Town
Wayland	2255	Town
Rutland	2236	Town
Hanson	2166	Supplied in part by Brockton
Ashburnham	2159	Town
Southborough	2053	Fayville Fire & Water Dist.
Williamsburg	1993	Town
Northborough	1968	Town
Cheshire	1842	Cheshire Water Company
Stockbridge	1830	Stockbridge Water Company; Hill Water Company.
Northfield	1821	Northfield Schools, Inc. Northfield Water Company
Salisbury	1820	Salisbury Water Supply Co.
Millis	1791	Town
Marshfield	1777	Public Supply; Humarock Water Co
Chatham	1741	Town - under construction
Westwood	1706	Westwood Water Company; supplies Islington

10. After careful investigation of the cost by the engineer and the Committee, we find that the cost to the citizens of the Town, if a Town Water Supply is installed, as reflected in the tax rate, would be, at the highest year, \$5.85 per thousand. This increase does not include the actual cost of water to users. (The rates indicated on Page 25 of the engineer's report, would apply if a District were formed). The additional tax rate would be offset to some extent by a reduction in fire insurance rates. The elimination of the present motor driven pumps in the homes, would effect a further saving in electricity.

11. The Committee has taken up with the New England Insurance Exchange the question of reduction in rates, and will be prepared to report on that particular phase of the question at the Town Meeting.

12. The Committee, through its Chairman, interviewed the Commissioners of the Fayville Fire and Water District for the purpose of determining as to whether or not the Fayville Fire and Water District would join the remaining sections of the Town for the purpose of establishing one Town system.

LETTER APPEARS HEREINAFTER

November 22, 1929.

Mr. George A. Mooney, Chairman,  
Southborough Water Committee,  
Southville,  
Mass.

Dear Sir:

At a meeting held November 21, 1929, I was directed to inform you that after due consideration of the "Report to the Water Committee of the Town of Southborough upon proposed Water Works", the Special Committee appointed to install the Fayville Fire and Water System unanimously agreed that the Fayville Fire and Water District could in no possible way be benefited by amalgamating with a Town Water System or by forming a District consisting of the Villagers of Southborough, Cordaville and Southville as a Water District. It was further voted that the Committee appreciates the courtesy extended to them to consider a possible union with the other sections of the Town in establishing a new Fire and Water District.

Yours truly,

DANA J. KIDDER, Clerk.



The engineer, the fire chief and the Committee are unanimously of the opinion that the installation of a permanent water supply would greatly reduce the fire hazards in many sections of the Town.

In view of the facts that appear hereinbefore, the Committee are of the opinion that it will be for the best interest of all the people of the Town if a permanent public water supply be installed for the entire Township, provided that the Fayville Fire and Water District are willing to co-operate; otherwise the next best thing to do is to form a Water District by selecting certain areas in Southborough, Southville, and Cordaville.

Respectfully submitted,

..... E. Warren Ward.  
 John J. Ramsey Patrick J. Brock..  
 George A. Moore Chairman  
 Eugene H. Smith

Report to  
BOARD OF WATER COMMISSIONERS  
SOUTHBOROUGH, MASSACHUSETTS.

upon  
CONSTRUCTION WORK OF 1931

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Metcalf & Eddy  
Engineers  
Boston, Massachusetts

December 31, 1931



TOWN OF SOUTHBOROUGH  
BOARD OF WATER COMMISSIONERS

SOUTHBOROUGH, MASS.

January 1, 1932.

To The Honorable Board of Selectmen:

Gentlemen:-

We herewith submit the second annual report of the Board of Water Commissioners - including the report of Metcalf and Eddy, Engineers, on The Construction Work of 1931.

The work of construction and the general statistics are covered by the Engineer's report.

CONSUMPTION OF WATER.

The quantity of water pumped each month for the year 1931 is shown in the following table:-

666	Month	Total gallons pumped	Ave. gals. per day.
	January	2,175,000	70,160
	February	2,055,000	73,400
	March	1,845,000	59,520
	April	2,090,000	69,670
	May	2,943,000	94,940
	June	3,182,000	106,070
	July	2,596,000	83,740
	August	2,096,000	67,610
	September	2,372,000	79,070
	October	2,397,000	77,320
	November	2,410,000	80,330
	December	2,454,000	79,160
	Total	28,615,000	78,400

The consumption for January to April inclusive is estimated from time of pump operation - consumption for May to December inclusive is as measured by venturi meter at the pumping station.



This quantity of 78,400 gallons per day is well within the 200,000 gallons per day available to the town from the Sudbury reservoir.

Mr. Albert Willard was engineer in charge of the pumping station and the Board wishes to take this opportunity of publicly expressing its appreciation of the faithful manner in which he performed the work.

#### MAINTENANCE AND OPERATION

The work of maintenance and the installation of new services was carried on by Mr. Thomas Boland, as foreman.

A statement of expenditures follows:-

Appropriation . . . . .	\$4,750.00
Rec'd from Insurance Co. for damages to truck . . . . .	<u>41.30</u>
Total	4,791.30

#### Expenditures

##### Pumping Station

Engineer	\$1,407.00	
Power	1,379.50	
Heat, light & tel.	33.58	
Gasoline	11.97	
Oil and supplies	<u>38.68</u>	
		\$2,870.73

##### General Maintenance

Truck	251.34	
Pipe Lines		
labor	513.12	
materials	37.43	
Meters	22.06	
Services	895.65	
Supplies	<u>91.53</u>	1,811.13

##### Administration

Billing	52.19	
Printing, stationary and insurance	<u>56.63</u>	108.82

Total 4,790.68

Balance \$0.62

3.

Following is the report of the Engineers on the  
Construction Work of 1931.

Respectfully submitted,

(	George A. Mooney	Chairman
(	E. Warren Ward	
(	Patrick J. Brock	

Board of Water Commissioners

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Report to  
BOARD OF WATER COMMISSIONERS  
SOUTHBOROUGH, MASSACHUSETTS

upon  
CONSTRUCTION WORK OF 1931

----

Metcalf & Eddy  
Engineers  
Boston, Massachusetts

December 31, 1931



METCALF & EDDY

ENGINEERS

STATLER BUILDING

BOSTON, MASS.

WATER WORKS AND PURIFICATION  
SEWERAGE AND SEWAGE DISPOSAL  
INDUSTRIAL WASTES DISPOSAL  
MUNICIPAL REFUSE DISPOSAL  
DESIGN CONSTRUCTION  
SUPERVISION MANAGEMENT  
REPORTS VALUATIONS  
LABORATORY FOR CHEMICAL  
AND BIOLOGICAL ANALYSES  
SOILS LABORATORY

HARRISON P. EDDY  
CHARLES W. SHERMAN  
ALMON L. FALES  
FRANK A. MARSTON  
JOHN P. WENTWORTH  
HARRISON P. EDDY, JR.  
ARTHUR L. SHAW  
E. SHERMAN CHASE

MEMBERS AM. SOC. C. E.

December 31, 1931

FILE

Board of Water Commissioners  
Southborough, Massachusetts.

Gentlemen:

During the past year the water works have been completed. The work carried on under our supervision is described briefly in the following report:

Pumping Station. The contract of F. A. Mazzur Co., Inc. for additional equipment and that of Thomas J. McMahon Company for enlargement of the building, have been completed.

The two new pumping units were tested and found to meet the guarantees in every respect.

The chlorinator has been installed and has been in almost continuous use since early in July.

Venturi meter records of the water pumped into the distribution system have been kept since June 1.

The construction of the new Worcester Turnpike has delayed the work of grading about the pumping station and the planting of trees and shrubs. This work should be completed next year in order that the grounds about the station may present an attractive appearance.

Water Distribution System. The following table gives a summary of the lengths of main pipe laid from the beginning of

the work to the end of this year, and also includes the pipe laid in Fayville and now in use.

Water Distribution Piping Now in Use.

Size	Length		Per cent
	feet	miles	
<u>Cast-iron pipe</u>			
10-inch (suction main)	293	0.055	0.3
10	11,871	2.248	13.5
8	50,234	9.514	57.2
6	23,179	4.390	26.4
2	<u>780</u>	<u>0.148</u>	<u>0.9</u>
Total cast iron pipe in system	86,357	16.355	98.3
<u>Wrought-iron pipe</u>			
2-inch	1,337	0.253	1.5
1½-inch	<u>81</u>	<u>0.015</u>	<u>0.2</u>
Total all pipe in system	87,775	16.623	100.0

Table 1 shows a tabulation of the sizes and lengths of main pipe laid in the various streets, from the beginning of the work to date, and now in use. This table contains corrections to that submitted last year, and should be used in preference to that previously published.

The standpipe on Clear Hill and the elevated tank in Southville, have received the final coats of paint and have been in service throughout the year, except during the time of painting.

The number of gate valves now in the system, including those at Fayville, by sizes, are as follows:

10-inch	21
8-inch	84
6-inch (in mains)	40
6-inch (in hydrant connections)	92
6-inch (in blow-offs)	4
2-inch (in mains)	1
2-inch (in blow-offs)	5
1½-inch (in blow-offs)	2
Total	<u>250</u>

There are now 105 hydrants in the system. Of these 17 were installed originally in the Fayville District and are slightly smaller than the others. Thirteen of the hydrants are equipped with two 2½-in. hose nozzles only, but all of the others have two hose nozzles and one 4-in. nozzle for the pumper connection. Ten of the hydrants have no valves on the hydrant connections. All of the hydrants have 6-in. connections to the main pipe.

House Services. The work of installing house services has continued. The following is a statement of the number of services connected as of December 31, 1931.

3/4-in. copper tubing	205
1¼--in. " "	1
3/4-in. cement-lined wrought iron pipe	73
1½--in. cement-lined wrought iron pipe	4
2--in. cement-lined wrought iron pipe	3
6--in. cement-lined cast iron pipe	2
8-in. cement-lined cast iron pipe	<u>1</u>
Total	289

The total number of services in use at the end of the year was 235. \*

\*Of these, 6 were shut off for the winter.



Meters. During the year, meters have been installed on the services in Fayville and on all new services. The number of meters installed to date is as follows:

5/8-in. King meter	<del>226</del> 204
1-in. " "	4
1½-in. " "	3
2-in. " "	1
4-in. Nilo "	1
Total	<u>235</u> 213

Fire Flow Tests. Tests were made in May in co-operation with the New England Insurance Exchange, to determine the rates of flow of water available at various fire hydrants throughout the system, both under conditions of direct pressure on hose streams and at 20 lb. per sq. in. pressure as a supply for a pumping engine. The results of these tests showed that the system is capable of furnishing the required fire flows at all points except at the extreme ends of the system where the required flows will not be available until future extensions and cross-connections shall have been made.

Changes Required by Construction of Worcester Turnpike.

The construction of the new highway on Worcester Turnpike involved material changes in grade, with the result that some of the existing water mains would finally be buried at depths greater than 6 ft. below the surface and others would have too shallow a cover to provide adequate protection from frost. As a result of conferences with the Construction Engineer of the Massachusetts Department of Public Works and a conference between the Selectmen and the Water Commissioners of the town, with the Commissioners of Public Works, an agreement was reached whereby

the Department agreed to pay for excavation, backfill and pipe laying on work necessary to be done, and the town agreed to furnish the required cast iron pipe, fittings, valves and hydrants and to change the services. The construction work performed at the expense of the Department of Public Works was done by the road contractor, B. Perini & Sons, Inc. Changes in service pipes were made by the Water Department of the town.

Following the receipt of bids, contract for the cast iron pipe was awarded to Warren Pipe Company of Massachusetts, Inc. at the following prices:

For bell and spigot cast iron pipe,	
cement lined, Class 200 delivered	
alongside the trench	
10-in.	\$1.10 per lin.ft.
8-in.	0.80 " " "

Cost of Construction of Mains in Worcester  
Turnpike

Distribution system	\$2,988.66
Services	1,190.31
Engineering and administration expenses	750.00
	<u>\$4,928.97</u>

Payments Retained on Contracts. In accordance with the terms of the construction contracts, the following sums have been retained for the period of guaranty:

Contractor	Date on which guaranty period ends	Amount retained
Mogavero-Merrill Co., Inc.	Jan. 27, 1932	\$1,287.93
G. Ferullo, Inc.	June 8, 1932	236.63
F. J. McMahon Co.	July 31, 1932	170.84
Fay-Byrne Plumbing Co.	Aug. 3, 1932	153.82
Chicago Bridge & Iron Works	June 18, 1932	399.00
Guaranty funds retained, total		\$2,248.22

Expenditures. The following tabulation shows expenditures for construction for the year ending December 31, 1931, as given by the Town Accountant's records:

Pumping station and equipment	\$17,280.06
Distribution system	
Pipe lines	31,400.32
Standpipe and elevated tank	10,061.74
Services	7,667.46
Miscellaneous	1,905.37
Land	300.00
Engineering, legal and administrative expenses	8,036.09
	<u>\$76,651.04</u>

Acknowledgments. We wish to acknowledge the courtesy shown us by the members of the Board of Water Commissioners, and the assistance given by them in the carrying out of this work.

Respectfully submitted,

METCALF & EDDY

By-

*Frank A. Marston*



Table 1. Schedule of Pipe Laid by Streets  
to December 31, 1931.

Street	Length of Pipe (feet)				Hyd. Br. (6")	Blow-Offs	No. Hyds.
	2"	6"	8"	10"			
Boston Rd.			3,553		49.3		4
Break Neck Hill Rd.			559		6.0		1
Central St.			2,985		69.0	17.0(6")	5
Cherry St.		468					
Clifford St.			670				
Common St.	269	15					
Cordaville Rd. (N)		772			7.2		1
" " (S)		500	6,885		48.7		8
Cottage St.			403				
Cross St.		258					
Deerfoot Rd.			3,054		35.8		4
Fay Ct.		298					
Flagg Rd.		1,675	4,355		38.6		6
Force Main at Pump. Station			73				
Framingham Rd.			588		8.6		1
Gilmore Rd.	204	1,260			8.0	20.0(1½")	1
Hammond St.		390					
Harrington St.		149					
Highland St.			3,155		25.0		3
Latisquama Rd.		750	1,152		23.7		3
Learned St.	405	171			8.0		1
Lyman St.		861			7.0		1
Main St.				5,304	149.4		11
E. Main St.			1,935		33.7	25.5(2")	4
Maple St.	375						
Marlborough Rd.		1,165	790		25.2	67.0(2")	3
Middle Rd.		932			25.9		2
Mill St.		276	227		20.2		2
Mt. Vickory Rd.			2,315		12.0		2
Newton St.			2,213	3,184	41.6	8.0(6")	6
Oak Hill Rd.		908		1,980	42.5		5
Park St.		323					
Parkerville Rd.		207	3,695		38.5		5
Pearl St.		365					
Pleasant St.		700			22.0		1
Prentiss St.		396					
Richards Rd.			500		8.0		1
R. of W. Clear Hill Standpipe				715			
R. of W. Highland St. to Clifford St.			220				
R. of W. Clifford St. to Standpipe			154				
R. of W. and Old Road Fayville Standpipe				688			
Carried forward-	1,253	12,839	39,481	11,871	753.9	25.0(6") 92.5(2") 20.0(1½")	81

Table 1.--Cont. Schedule of Pipe Laid by Streets  
to December 31, 1931.

Street	Length of Pipe (feet)				Hyd. Br. (6")	Blow-offs	No. Hyds.
	2"	6"	8"	10"			
Brought forward-	1,253	12,839	39,481	11,871	753.9	25.0(6") 92.5(2") 20.0(1½")	81
School St.		719	1,865		19.2		3
Southville Rd. (east)			1,523		9.0	16.0(6")	2
" " (west)		686	1,302		17.3	11.9(6") 53.5(2")	2
" " (center)		995			8.7		1
Suction at Pump.Sta.				293			
Upland Rd.		502					
Valade Ct.	209						
Walker St.	166	391			6.1		1
White Bagley Rd.	303	1,107			6.0	24.5(2")	1
Willow St.		90					
Winchester St.			1,021		8.5		1
Winter St.		794			8.0		1
Wood St.		405			7.0	60.5(1½")	1
Woodland Rd.		1,303			13.0		2
Worcester Tpk.		2,342	5,042		96.0	15.0(2")	9
Total	1,931	22,173	50,234	12,164	952.7	52.9(6") 186.0(2") 81.0(1½")	105

## SUMMARY OF STATISTICS

For the year ending December 31, 1931.

## SOUTHBOROUGH WATER WORKS

Town of Southborough, Worcester County, Massachusetts

## General Statistics

Population by census of 1930	2166
Date of construction	1929-1931
By whom owned	Town of Southborough
Source of supply	Sudbury Reservoir
Mode of supply	Pumping

## Statistics of Consumption of Water

Estimated total population to date	2,500 (including schools)
Estimated population on lines of pipe	2,150
Estimated population supplied	1,500

Statistics Relating to Distribution  
System Mains

Kind of pipe, C.I. (tar coated and cement lined) and wrought iron (cement lined)	
Sizes	2" to 10"
Extended	6,634 ft. during year
Discontinued	1,791 ft. during year
Total now in use	87,775 ft. = 16.623 miles
Length of pipes less than 4-in. diam.	2,198 ft.
Number of hydrants added during year (public & private)	6
Number of hydrants (public & private) now in use	105



Number of stop gates added during year	20
Number of stop gates now in use	250
Number of stop gates, smaller than 4-in.	8
Number of blow-offs	11
Range of pressure on mains	40 to 105 lb. per sq. in.

### Services

Kind of pipe, cement lined W.I., cast iron and copper tubing	
Sizes	3/4" to 8"
Extended	14,915 ft.
Discontinued	none
Total length	18,677 ft.
Number of service taps added during year	42
Number, total	289
now in use	<del>235</del> 213
Average length of services	64
Average cost of service for the year	
Number of meters added	60
Number now in use	<del>235</del> 213
Percentage of services <sup>in use</sup> metered	81%

HENRY A. SYMONDS  
CONSULTING HYDRAULIC ENGINEER  
SURVEYS, ESTIMATES, DESIGNS  
AND SUPERVISION  
SPECIAL STUDIES OF ORGANIZATION  
FOR WATER COMPANIES AND DEPARTMENTS

70 KILBY STREET,  
BOSTON, MASS., August 10, 1914.

Board of Selectmen,  
Southboro, Massachusetts.

Attention of Mr. R. H. Oveson, Chairman.

Gentlemen:-

Confirming verbal proposition to Mr. Oveson, of your Board, the writer offers to meet you at your convenience as to time and place, go over the town, and make a rough estimate of the kind of a system of water works which should be installed by your town. The writer would be accompanied by Mr. Hanscom, of the Hanscom Construction Company, who handles the construction end.

In addition to the above, we would give you some estimates of cost sufficiently accurate to determine whether the general proposition is interesting to you at this time.

We have been connected with the design and installation of a great many of the large plants installed in Massachusetts in the last few years, and will be pleased to submit to you a list of references as to our ability to design and construct water systems.

We have, during the last season, been connected with new work for the water plants of Norton, Mattapoisett, Falmouth, Acton, Barnstable, Duxbury, Groveland, and Greenville, Maine.

The preliminary study we have suggested, and the conference with you, will be entirely without obligation on your part, and we will be glad to give you the benefit of our experience in building and operating water systems.

Under the Hanscom Company, we handle all classes of investigations

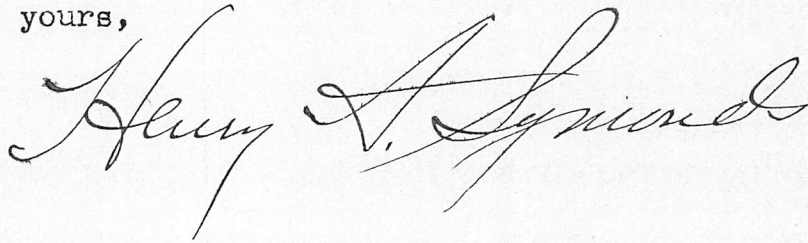
HENRY A. SYMONDS  
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FOR WATER COMPANIES AND DEPARTMENTS

70 KILBY STREET,  
BOSTON, MASS., August 10, 1914.

for water supply, including driven well tests.

Thanking you for any consideration you may be pleased to give  
us, I am,

Truly yours,

A handwritten signature in cursive script, reading "Henry A. Symonds". The signature is written in dark ink and is positioned to the right of the typed name "Henry A. Symonds".

Dict. H.A.S.